

IN THE CLAIMS

1. (Currently Amended) A data processing system for data received by a broadcast data receiver, said system comprising:

a broadcast data receiver provided for receiving multiple transport streams of digital data which are transmitted from a remote locations ~~location and may be~~ from different sources, said digital data in each transport stream including a series of packets of data provided with associated codes to indicate the type of data i.e video, audio and/or auxiliary data;

said receiver provided with a plurality of tuners, each of which receives a different transport stream of said digital data;

said receiver provided with means which allow the selection and combination of packets of data from said multiple transport streams of data ~~{when}~~ multiplexed into a single stream of data in response to control commands;

said selected packets of data combined ~~{from the single stream of data and said single stream of data}~~ and further processed to generate video and/or audio and/or auxiliary data therefrom; and

each ~~{multiple}~~ transport stream of data including a transport packet of packet identification codes for each of the packets of data in the stream and ~~{wherein}~~ a transport stream identification code is added to each of the packets of said received streams of digital data such that said transport stream identification code for each packet allows identification and differentiation of each of the packets, the specific stream of data from which they originate and selection of the appropriate data packets ~~{from}~~ to form the said multiplexed single stream of data received by the receiver and wherein the allocation of the transport stream identification code allows the differentiation of a packet of data in a first transport stream from any packet of data in a further transport stream which has the same packet identification code.

2. (Previously Presented) A data processing system according to claim 1 wherein the identification code is located with the transport packet of data which includes a series of identification codes which contain and provide information relating to the packets of data in that stream of data.

3. (Previously Presented) A data processing system according to claim 2 wherein the identification code identifies the transport packet of the data stream.

4. (Previously Presented) A data processing system according to claim 1 wherein the identification codes are generated by re-using existing, superfluous data bits within the existing transport packet syntax said bits replaced by the identification code or codes which identify the streams of data being received.

5. (Canceled)

6. (Previously Presented) A data processing system according to claim 1 wherein the identification codes for the multiple data streams are stored in a memory device and reference to said memory by the receiver allows the identification of each of the data streams with reference to the identification codes accompanying the transmitted data streams.

7. (Currently Amended) A method for generation of a single stream of data for subsequent processing, from multiple transport streams of data, said method comprising the steps of:

simultaneously receiving a number of different transport streams of data via a plurality of tuners in a receiver;

selecting packets of data from said different transport streams in accordance with user and/or receiver selection criteria;

multiplexing said selected packets of data into a single stream of data by said receiver;

allocating a transport stream identification code to each of the received transport streams of data;

allocating a packet identification code to each packet of data;

controlling the selection with reference to the appropriate transport stream identification code for the particular transport stream of data in which the data packet to be selected is located when the selection of a data packet is required;

selecting the required data packet once the appropriate transport stream is identified therefrom with reference to a match between the packet identification code for that transport stream of data and the packet identification code allocated to each of the packets; ~~{and}~~

repeating the steps for each of the data packets required to form the single stream of data and wherein the provision of a transport stream identification code for each transport stream of digital data which is received differentiates packets of data contained in other received transport streams which have the same packet identification code.

8. (Previously Presented) A method according to claim 7 wherein the particular data packet is selected from the selected transport stream of data with reference to the packet identification code.

9. (Previously Presented) A method according to claim 7 wherein the selection of the data packet can only be made from the transport stream of data identified by the transport stream identification.